

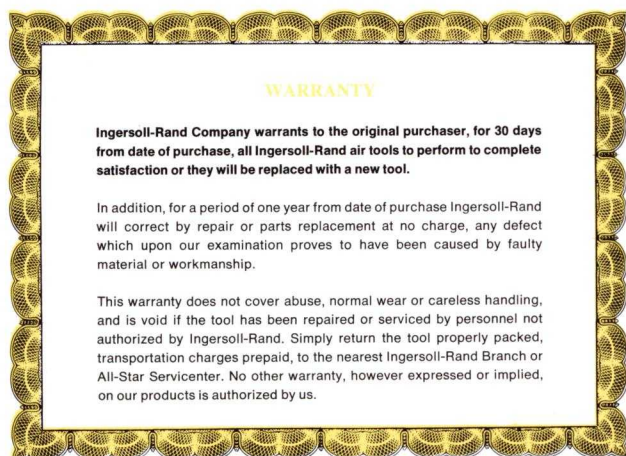
Buy Thru
HARBCO
Harbor Tool Supply Co., Inc.
26 WEXFORD STREET
NEEDHAM HEIGHTS, MASS. 02194
(617) 449 4432

Air tool buyers guide.



Ingersoll-Rand

Ingersoll-Rand EXCLUSIVE IDEAS **TO HELP KEEP YOU GOING**



30 DAY WARRANTY

If you are not satisfied with performance of your Ingersoll-Rand Air Tool, return it for exchange within 30 days from date of purchase.

NEW



TUNE-UP KITS

An economically priced assortment of Genuine Ingersoll-Rand replacement parts such as O-rings, end plates, vanes and gaskets required for routine preventive maintenance; to insure your Ingersoll-Rand Air Tool is operating at peak efficiency.

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TOOL MODEL CROSS REFERENCE

I-R MODEL	MF MODEL	SUGGESTED REPLACEMENT MODEL*	TOOL	PAGE
G120DF1	7013	—	Die Grinder	Discontinued
752P	7014	752P	Polisher	15
752S	7015	752S	Sander	15
725S	7016	728LA4	Screw Driver	7
726S	7017	—	Screw Driver	Discontinued
727S	7018	728NA4	Screw Driver	7
G120CF1	7019	G120CF1	Die Grinder	17
G140DF1	7020	—	Die Grinder	Discontinued
G160EF1	7021	G160EF1	Die Grinder	17
G160HF1	7022	G160HF1	Die Grinder	17
734ARKD2	7029	—	Screw Driver	Discontinued
767W	7030	2A1SA	Chipping Hammer	27
769W	7031	4A1SA	Chipping Hammer	27
763LNA1	7032	182LNA1	Scaler	25
746B24	7033	746B24	Horizontal Grinder	19
734ARLD2	7034	—	Screw Driver	Discontinued
734ARMD2	7035	—	Screw Driver	Discontinued
734ARKC21	7037	OOAR2LCQ21	Screw Driver	5
734ARLC21	7038	OOAR2LCQ21	Screw Driver	5
734ARMC21	7039	OOAR2MCQ21	Screw Driver	5
734BRKC21	7040	OOBR2LCQ21	Screw Driver	5
734BRLC21	7041	OOBR2LCQ21	Screw Driver	5
734BRMC21	7042	OOBR2MCQ21	Screw Driver	5
734ARKP2	7043	OOAR2LPQ2	Screw Driver	5
734ARLP2	7044	OOAR2LPQ2	Screw Driver	5
734ARMP2	7045	OOAR2MPQ2	Screw Driver	5
734BRKP2	7046	—	Screw Driver	Discontinued
734BRLP2	7047	—	Screw Driver	Discontinued
734BRMP2	7048	—	Screw Driver	Discontinued
746B21	7049	746B21	Horizontal Grinder	19
748B2	7051	748B2	Horizontal Grinder	19
702A1	7054	702A1	Impactool	10
2705A7	7055	2705A7	Impactool	11
703A1	7056	—	Impactool	Discontinued
2705A1	7057	2705A1	Impactool	11
2706A1	7058	2706A1	Impactool	11
2706A7	7059	2706A7	Impactool	11
725A1	7061	728JA1	Drill	4
726A1	7062	728LA2	Drill	4
727A2	7063	728NA3	Drill	4
701A1	7065	701A1	Impactool	10
710A1	7068	710A1	Impactool	12
712A1	7069	712A1	Impactool	12
754C1	7077	754C1	Surface Grinder	20
754D1	7078	754D1	Surface Grinder	20
755C1	7079	755C1	Surface Grinder	20
755D1	7080	755D1	Surface Grinder	20
757C1	7081	757C1	Surface Grinder	20
757D1	7082	757D1	Surface Grinder	20
758C1	7083	758C1	Surface Grinder	20
758D1	7084	758D1	Surface Grinder	20
749	7085	749	Sander	15
771A1	7089	—	Hammer	Discontinued
771A2	7090	—	Hammer	Discontinued
G140CF1	7091	G140CF1	Die Grinder	17
772A1	7096	772A1	Hammer	23
772A2	7097	772A2	Hammer	23
763L	7098	182L	Scaler	25
763LK	7099	182K	Scaler Kit	25

*Suggested replacement only!
Consult appropriate catalog page for complete selection.

ALL-STAR SERVICENTERS

Ingersoll-Rand All-Star Servicenters are strategically located to assist you whenever you need parts or service for your Ingersoll-Rand Air Tools. All-Star Servicenters are authorized to provide Warranty service which conforms to the Ingersoll-Rand Air Tool Warranty.

All testing and repair work is done by qualified technicians. Their specialized knowledge means savings of time and money on your Ingersoll-Rand Air Tool repairs.

Every Ingersoll-Rand All-Star Servicenter maintains a complete stock of Genuine Ingersoll-Rand replacement parts. Contact your Ingersoll-Rand Air Tool Distributor for the All-Star Servicenter in your area.

OSHA

When so marked, Ingersoll-Rand Air Tools comply with all applicable OSHA requirements. The user is cautioned that provisions of the act require safety practices which relate to the workers environment. These are not controllable by Ingersoll-Rand. OSHA sound level requirements also relate to the workers overall environment which is not controllable by Ingersoll-Rand.

Air Drills

HEAVY DUTY



Light, compact and easy to handle; yet tough and powerful for long service life.

- **Heavy Duty Housing**—Rugged enough to withstand the everyday punishment of industry and yet balanced for maximum comfort.
- **Graduated Throttle**—Enables you to use variable speed to reduce drill bit breakage on the difficult jobs.
- **Bottom Handle Exhaust**—With built-in muffler. With addition of No. D1400-A123 Exhaust Plate Assembly exhaust can be discharged through any convenient length of hose.

SPECIFICATIONS—Performance Figures at 90 psi (620 kPa) Air Pressure

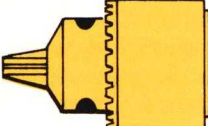
MODEL	FREE SPEED	CHUCK CAPACITY		OVERALL LENGTH		WEIGHT		HOSE CONN. PIPE TAP	RECOMM. HOSE SIZE		SPINDLE THREAD
	rpm	in.	mm	in.	mm	lbs.	kg	in.	in.	mm	
728JA1	3800	1/4	6	6 ³¹ / ₃₂	177	2 ⁷ / ₁₆	1.10				3/8" - 24 thd
728LA2	2100	3/8	9	7 ¹ / ₄	184	2 ¹ / ₂	1.13	1/4	1/4	6	
728NA3	950	1/2	13	8 ¹¹ / ₃₂	212	3 ¹ / ₁₆	1.39				

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
728JA1	728-TK1
728LA2	
728NA3	

When so marked, Ingersoll-Rand Air Tools comply with all applicable OSHA requirements. The user is cautioned that provisions of the act require safety practices which relate to the worker's environment. These are not controllable by Ingersoll-Rand. OSHA sound level requirements also relate to the worker's overall environment which is not controllable by Ingersoll-Rand.

DRILL CHUCKS

	CAPACITY		CATALOG NO.	*CHUCK KEY PART NO.
	in.	mm		
	1/4	6	728J-99	ROOOB2J70-J253
	3/8	9	D92-99-3/8	ROOOB2J70-J253
	1/2	13	728N-99	728N-253

OTHER EQUIPMENT

DESCRIPTION	CATALOG NO.
Exhaust Plate Assembly (for piped-away exhaust)	D1400-A123

*Order separately if needed.

Air Screw Drivers

HEAVY DUTY, CLUTCH TYPE



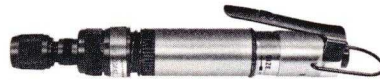
SLA101RL40



SL101NL40



SLA101RM40



SLA101NM40



OOAR2LCQ21



OOA2LCQ21



OOBR2LCQ21



OOB2LCQ21



OOAR2LPQ2



OOA2LPQ2



OOAR2LCQ31



OOA2LCQ31



OOAR2MCQ21



OOA2MCQ21



OOBR2MCQ21



OOB2MCQ21



OOAR2MPQ2



OOA2MPQ2



OOAR2MCQ31



OOA2MCQ31

REVERSIBLE

NON-REVERSIBLE

REVERSIBLE

NON-REVERSIBLE

Reversible and Non-Reversible Models featuring adjustable and positive jaw clutches.

- **Adjustable Clutches**—For free running screws requiring torques from 3 to 65 inch pounds.
- **Positive Jaw Clutches**—For tight running screws such as wood, sheet metal and self-locking.
- **Built-in Mufflers**—Reduce sound level of motors to comfortable levels.
- **Quick Change Bit Holder**—All models equipped with 1/4" Hex Recess Quick Change Bit Holder.

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Ingersoll-Rand

Air Screw Drivers

HEAVY DUTY, CLUTCH TYPE

SPECIFICATIONS—Performance Figures at 90 psi (620 kPa) Air Pressure

MODEL	FREE SPEED	MACHINE SCREW CAPACITY		CLUTCH TYPE	OVERALL LENGTH		WEIGHT		HOSE CONN. PIPE TAP	RECOMM. HOSE SIZE	
	rpm	in.	mm		in.	mm	lbs.	kg	in.	in.	mm
NON-REVERSIBLE WITH LEVER HANDLE											
SLA101NL40	2000	#8	4	Adjustable	7 ⁵ / ₁₆	186	1 ³ / ₁₆	.54	1/8	3/16	5
SLA101NM40	1500	#8	4		8 ¹ / ₈	206	1 1/4	.57	1/8	3/16	5
OOB2LCQ21	1600	1/4	6		10 ⁹ / ₁₆	268	2 ³ / ₁₆	.99	1/4	1/4	6
OOB2MCQ21	1100	1/4	6		11 ¹ / ₁₆	294	2 ⁵ / ₈	1.19	1/4	1/4	6
REVERSIBLE WITH LEVER HANDLE											
SLA101RL40	1650	#8	4	Adjustable	7 ¹⁵ / ₁₆	202	1 ³ / ₁₆	.57	1/8	3/16	5
SLA101RM40	1250	#8	4		8 ³ / ₄	222	1 ⁵ / ₁₆	.59	1/8	3/16	5
OOBR2LCQ21	1300	1/4	6		10 ⁹ / ₁₆	268	2 ³ / ₈	1.08	1/4	1/4	6
OOBR2MCQ21	700	1/4	6		11 ¹ / ₁₆	294	2 ³ / ₄	1.25	1/4	1/4	6
NON-REVERSIBLE WITH PISTOL HANDLE											
OOA2LCQ21	1600	1/4	6	Adjustable	8 ¹⁵ / ₁₆	227	2 ⁵ / ₁₆	1.05	1/4	1/4	6
OOA2LCQ31	1600	1/4	6	Adjustable	9 ³ / ₄	248	2 ¹³ / ₁₆	1.28			
OOA2LPQ2	1600	1/4	6	Positive Jaw	8	203	2 ¹ / ₁₆	.93			
OOA2MCQ21	1100	1/4	6	Adjustable	9 ⁷ / ₈	251	2 ³ / ₄	1.25			
OOA2MCQ31	1100	1/4	6	Adjustable	10 ⁵ / ₈	270	3 ¹ / ₄	1.47			
OOA2MPQ2	1100	1/4	6	Positive Jaw	9	229	2 ⁹ / ₁₆	1.16			
REVERSIBLE WITH PISTOL HANDLE											
OOAR2LCQ21	1300	1/4	6	Adjustable	9 ¹ / ₈	232	2 ⁵ / ₈	1.19	1/4	1/4	6
OOAR2LCQ31	1300	1/4	6	Adjustable	10	254	3 ³ / ₁₆	1.44			
OOAR2LPQ2	1300	1/4	6	Positive Jaw	8 ⁵ / ₁₆	211	2 ¹ / ₂	1.13			
OOAR2MCQ21	700	1/4	6	Adjustable	10 ¹ / ₈	257	3 ¹ / ₁₆	1.39			
OOAR2MCQ31	700	1/4	6	Adjustable	10 ¹⁵ / ₁₆	278	3 ⁹ / ₁₆	1.62			
OOAR2MPQ2	700	1/4	6	Positive Jaw	9 ⁵ / ₁₆	236	2 ⁷ / ₈	1.30			

Note: All models equipped with 1/4" Hex Recess Quick Change Bit Holder.

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
SLA101NL40 SLA101NM40 SLA101RL40 SLA101RM40	SLA101-TK1

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
OOB2LCQ21 OOB2MCQ21 OOBR2LCQ21 OOBR2MCQ21	OOB2-TK1

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
OOA2LCQ21 OOA2LCQ31 OOA2LPQ2 OOA2MCQ21 OOA2MCQ31 OOA2MPQ2 OOAR2LCQ21 OOAR2LCQ31 OOAR2LPQ2 OOAR2MCQ21 OOAR2MCQ31 OOAR2MPQ2	OOA2-TK1

Note: See pages 8 and 9 for complete Screw Driver Bit & Finder selection.

Air Screw Drivers & Nut Runners

HEAVY DUTY, DIRECT DRIVE



OOAR2LDQ2



OOAR2LD3



728LA4



OOAR2MDQ2



OOAR2MD3



728NA4

REVERSIBLE

REVERSIBLE

NON-REVERSIBLE

Reversible and Non-Reversible Models for installing and removing screws and nuts using motor stall torque

- **1/4" Quick Change Bit Holder**—For fast and easy screw driver bit changes.
- **Graduated Throttle**—Enables you to regulate speed and torque for optimum screw driving and nut running operation.
- **Built-in Muffler**—Reduces sound level of motor to comfortable level.

SPECIFICATIONS—Performance Figures at 90 psi (620 kPa) Air Pressure

MODEL	FREE SPEED	MACHINE SCREW CAPACITY		OVERALL LENGTH		WEIGHT		HOSE CONN. PIPE TAP	RECOMM. HOSE SIZE	
	rpm	in.	mm	in.	mm	lbs.	kg	in.	in.	mm
NON-REVERSIBLE WITH 1/4" HEX QUICK CHANGE BIT HOLDER										
728LA4	2100	1/4	6	7 1/32	179	2 1/4	1.02	1/4	1/4	6
728NA4	950	5/16	8	7 3/4	197	2 7/16	1.10	1/4	1/4	6
REVERSIBLE WITH 1/4" HEX QUICK CHANGE BIT HOLDER										
OOAR2LDQ2	1300	1/4	6	7 1/8	181	2 1/4	1.02	1/4	1/4	6
OOAR2MDQ2	700	1/4	6	8 1/8	206	2 9/16	1.16	1/4	1/4	6
REVERSIBLE WITH 3/8" SQUARE DRIVE SOCKET DRIVER										
OOAR2LD3	1300	1/4	6	6 11/16	170	2 1/8	.96	1/4	1/4	6
OOAR2MD3	700	1/4	6	7 5/8	194	2 1/2	1.13	1/4	1/4	6

QUICK CHANGE CHUCKS



FEMALE HEX SIZE	CATALOG NO.
1/4"	ROH-A925-4
7/16"	ROH-A925-7

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
728LA4 728NA4	728-TK1
OOAR2LDQ2 OOAR2MDQ2 OOAR2LD3 OOAR2MD3	OOA2-TK1

OTHER EQUIPMENT*

DESCRIPTION	CATALOG NO.
Exhaust Plate Assembly (for piped-away exhaust)	D1400-A123

*For 728LA4 & 728NA4 only.

ACCESSORIES — Socket Adapters



SQUARE DR. SIZE	CATALOG NO.
1/4"	ROH-212-1/4
3/8"	ROH-212-3/8

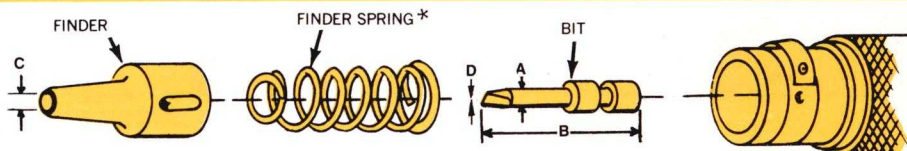
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Air Screw Driver Accessories

1/4" HEX SHANK FLAT BITS — With Non-Rotating Finders

FOR MODELS EQUIPPED WITH
STANDARD BIT HOLDER ASSY.

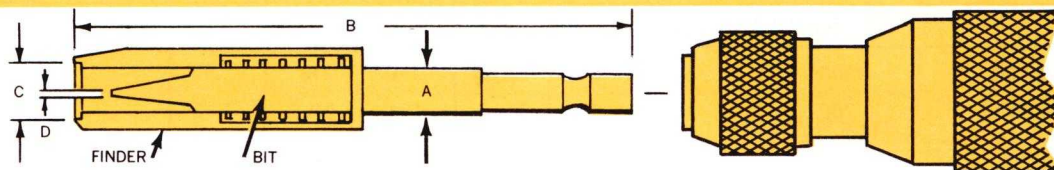
- For slotted head screws.
Use with adjustable and
positive clutch Screw
Drivers.



SCREW SIZES AND TYPES								CATALOG NUMBER AND DIMENSIONS				
FLAT & OVAL HEAD		ROUND HEAD		TRUSS HEAD	BINDING HEAD	FILLISTER HEAD	PAN HEAD	PART NAME	BIT DIA. (A) FINDER DIA. (C)	CAT. NO. & BIT LENGTH (B)		BLADE (D) THICKNESS
WOOD	MACH.	WOOD	MACH.	MACH.	MACH.	MACH.			IN.	1 15/16"	3 1/2"	IN.
2	2	2	2	2	2	2	2	Bit Finder	.125 .187	F164 F164F	F284 F284F	.026
3	3	3	3	3	3	3, 4	3	Bit Finder	.134 .137	F1645 F1645F	F2845 F2845F	.028
4	4	4	4	4	4	5	4	Bit Finder	.156 .218	F165 F165F	F285 F285F	.032
5	5	5	5	5	5	5	5	Bit Finder	.187 .281	F166 F166F	F286 F286F	.034
5	5	5, 6	5, 6	5	5	6	5	Bit Finder	.219 .312	F167 F167F	F287 F287F	.036
6, 7	6	7	—	6, 7	6	8	6	Bit Finder	.250 .343	F168 F168F	F288 F288F	.038
8, 9	8	8, 9	8	8	8	10	8	Bit Finder	.275 .375	F169 F169F	F289 F289F	.042
10	10	10	10	10	10	12	10	Bit Finder	.312 .437	F1610 F1610F	F2810 F2810F	.046
12, 14	12	12, 14	12	12	12	—	12	Bit Finder	.360 .515	F1612 F1612F	F2812 F2812F	.050

* Note: No. RX2-242 Finder Spring must be used with above bits and finders.

1/4" HEX SHANK FLAT BITS — With Rotating Finders



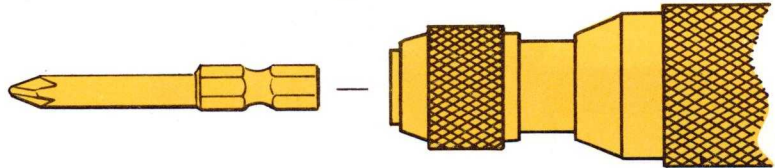
- For slotted head screws.
Use with adjustable,
positive clutch and
direct drive
Screw Drivers.


SCREW SIZES AND TYPES					CATALOG NO. AND DIMENSIONS			
FLAT HEAD	OVAL HEAD	ROUND HEAD	BINDING HEAD	FILLISTER HEAD	PART NAME	BIT DIA. (A) FINDER DIA. (C)	CAT. NO. & ASSY. LGTH. (B)	BLADE (D) THICKNESS
WOOD OR MACH.			MACH.	MACH.	SOLID BITS	IN.	3 3/4"	IN.
4	4	6	4	8	Bit Finder	.193 .297	R306	.032
6	6	8	6	10	Bit Finder	.241 .313	R308	.036
8	8	10	8	12	Bit Finder	.303 .375	R3010	.040
10	10	12	10	1/4"	Bit Finder	.350 .438	R3012	.045


Air Screw Driver Accessories


1/4" HEX SHANK BITS — For Recessed Head Screws

- For adjustable, positive clutch, and direct drive Screw Drivers.



 For Phillips Head Screws

 For Posidriv Head Screws

 For Reed and Prince Head Screws

SCREW SIZES AND TYPES						CAT. NO. AND DIM.		
ROUND	FLAT OR OVAL	BIND'G MACHINE	FILLISTER MACHINE	TRUSS	PAN	POINT SIZE	1 5/16"	3 1/2"
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	No. 1	XP161	XP281
5, 6, 7, 8, 9, 10	5, 6, 7, 8, 9, 10	5, 6, 7, 8, 10	5, 6, 8, 10	6, 8, 10	5, 6, 7, 8, 10	No. 2	XP162	XP282
12 to 5/16"	12 to 1/4"	12 to 1/4"	12 to 5/16"	12 to 1/4"	12 to 1/4"	No. 3	XP163	XP283
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	No. 1	XPZ161	—
5, 6, 7, 8, 9, 10	5, 6, 7, 8, 9, 10	5, 6, 7, 8, 10	5, 6, 8, 10	6, 8, 10	5, 6, 7, 8, 10	No. 2	XPZ162	—
12 to 5/16"	12 to 1/4"	12 to 1/4"	12 to 5/16"	12 to 1/4"	12 to 1/4"	No. 3	XPZ163	—
2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4, 5	2, 3, 4	No. 1	XRP161	XRP281

 For Hex Socket Head Screws

CAP SCREWS	SAFETY SET SCREWS	HEX-ACROSS FLATS (A)	CATALOG NO.
2,3	8	5/64"	HX1325
4,5	10	3/32"	HX133
6	—	7/64"	HX1335
—	1/4"	1/8"	HX134
8	—	9/64"	HX1345
10	5/16"	5/32"	HX135
1/4", 3/8"	3/8"	3/16"	HX136
—	7/16"	7/32"	HX137
5/16"	—	1/4"	HX138

MAGNETIC BIT HOLDER



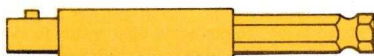
CATALOG NO.	HEX DRIVE
M631-4	1/4"

MAGNETIC BIT TIP



CATALOG NO.	
XP-161	No. 1 Phillips
XP-162	No. 2 Phillips
XP-163	No. 3 Phillips

SOCKET DRIVERS



CATALOG NO.	HEX DRIVE	SQ. DRIVE	LENGTH
7102	1/4"	1/4"	2"
7104			6"
7107	1/4"	3/8"	6"

Note: See page 13 for sockets and pages 29, 30 and 31 for Air Line accessories.

Air Impacttools

HEAVY DUTY $\frac{3}{8}$ " BOLT CAPACITY



701A1
— In-Line Handle

- **Fast Run Down** — Saves time on every job.
- **Compact and Lightweight** — for close quarter use.
- **Built-in Power Regulator** — lets you select the power needed for each job.
- **Long Life** — built-in fine mesh air strainer protects motor.



702A1
— Pistol Grip Handle

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	NO LOAD SPEED	IMPACTS PER MIN.	SQUARE DRIVE	BOLT CAP.		OVERALL LENGTH		WEIGHT		HOSE PIPE TAP	RECOMM. HOSE SIZE	
	rpm		in.	in.	mm	in.	mm	lbs.	kg	in.	in.	mm
702A1	7400	1360	$\frac{3}{8}$	$\frac{3}{8}$	10	$5\frac{13}{16}$	148	$4\frac{1}{8}$	1.87	$\frac{1}{4}$	$\frac{5}{16}$	8
701A1	11,200	2350	$\frac{3}{8}$	$\frac{3}{8}$	10	$5\frac{7}{8}$	149	$2\frac{3}{4}$	1.25	$\frac{1}{4}$	$\frac{5}{16}$	8

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
702A1	702-TK1
701A1	701-TK1

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Note: See pages 13 and 14 for Impacttool accessories.



Ingersoll-Rand

Air Impacttools

HEAVY DUTY 1/2" BOLT CAPACITY



2705A7
Heavy Duty
— Quick Change Chuck



2705A1
Heavy duty
— 1/2" Square Drive



2706A7
Extra Heavy Duty
— Quick Change Chuck



2706A1
Extra Heavy Duty
— 1/2" Square Drive

- **Twin Hammer Mechanism** — delivers a more powerful, balanced blow.
- **Smooth** — vibration free performance.
- **Built-in Power Regulator** — allows full range of power control in one direction with full power in opposite direction.
- **Long Life** — Built-in oil mist and grease lubricator.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

TUNE-UP KITS

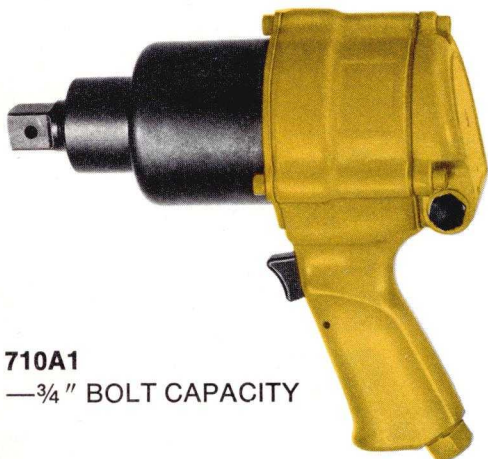
MODEL	NO LOAD SPEED	IMPACTS PER MINUTE	DRIVE SIZE	BOLT CAPACITY		OVERALL LENGTH		WEIGHT		HOSE PIPE TAP	REC. HOSE SIZE		TUNE-UP KIT
	rpm		in.	in.	mm	in.	mm	lbs.	kg	in.	in.	mm	
2705A7	7000	1200	7/16 Q.C.	1/2	12.7	6 3/4	172	5 5/8	2.55	1/4	5/16	8	2705-TK1
2705A1	6500	1200	1/2 SQ.	1/2	12.7	6 3/4	172	5 5/8	2.55	1/4	5/16	8	2705-TK1
2706A1	6500	1350	1/2 SQ.	1/2	12.7	6 1/2	165	6	2.72	1/4	5/16	8	2706-TK1
2706A7	6500	1350	7/16 Q.C.	1/2	12.7	6 1/2	165	6	2.72	1/4	5/16	8	2706-TK1

Note: See pages 13 and 14 for Impacttool accessories.

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Air Impacttools

HEAVY DUTY— $\frac{3}{4}$ " and $1\frac{1}{4}$ " BOLT CAPACITY



710A1

— $\frac{3}{4}$ " BOLT CAPACITY

- **Fast Rundown**—impact mechanism delivers fast, powerful blows.
- **Built-in Power Regulator**—lets you select the power needed for each job.
- **Long Life**—built-in oil mist and grease lubrication.



712A1

— $1\frac{1}{4}$ " BOLT CAPACITY

- **Powerful**—built for big, tough jobs—fast rundown and high torque.
- **Long Life**—built-in pressure feed lubrication system.
- **Compact**—easy to handle in tight places.



1710A1

— $\frac{3}{4}$ " BOLT CAPACITY

- **Compact**—shorter, smaller and less weight than 710A1.
- **Simple**—fewer parts in impact mechanism reduce maintenance.
- **Long Life**—built-in oil mist and grease lubrication.



712PA1

— $1\frac{1}{4}$ " BOLT CAPACITY

- **Built-in Power Regulator**—lets you select the power needed for the job.
- **Compact**—easy to handle in tight places.
- **Spade Handle**—reduces operator fatigue.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	NO LOAD SPEED	IMPACTS PER MINUTE	SQUARE DRIVE	BOLT CAPACITY		OVERALL LENGTH		WEIGHT		HOSE PIPE TAP	RECOMM. HOSE SIZE	
	rpm		in.	in.	mm	in.	mm	lbs.	kg	in.	in.	mm
710A1	4500	1000	$\frac{3}{4}$	$\frac{3}{4}$	19	$8\frac{1}{4}$	210	$11\frac{3}{4}$	5.33	$\frac{3}{8}$	$\frac{1}{2}$	13
1710A1	5500	1000	$\frac{3}{4}$	$\frac{3}{4}$	19	7	178	$11\frac{5}{8}$	5.27	$\frac{3}{8}$	$\frac{1}{2}$	13
712A1	3200	820	1	$1\frac{1}{4}$	32	$13\frac{1}{16}$	332	$20\frac{3}{8}$	9.24	$\frac{3}{8}$	$\frac{1}{2}$	13
712PA1	3000	750	1	$1\frac{1}{4}$	32	$9\frac{3}{4}$	248	$21\frac{3}{4}$	9.86	$\frac{3}{8}$	$\frac{1}{2}$	13

TUNE-UP KITS

TUNE-UP KIT

710-TK1

1710-TK1

712-TK1

712-PTK1

Note: See pages 13 and 14 for Impacttool accessories.

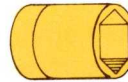
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Air Impactool Accessories

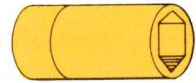
IMPACTOOL SOCKETS

HEXAGON — 6 point

Regular
Length



Deep
Length



NOMINAL SIZE ACROSS FLATS	REGULAR LENGTH CATALOG NO.	DEEP LENGTH CATALOG NO.	NOMINAL SIZE ACROSS FLATS	REGULAR LENGTH CATALOG NO.	DEEP LENGTH CATALOG NO.
1/4" SQUARE DRIVE			3/4" SQUARE DRIVE		
3/16"	6906H	—	9/16"	07509	07509L
1/4"	6908H	—	5/8"	07510	07510L
9/32"	6909H	—	11/16"	07511	07511L
5/16"	6910H	—	3/4"	07512	07512L
11/32"	6911H	—	13/16"	07513	07513L
3/8"	6912H	—	7/8"	07514	07514L
7/16"	6914H	—	15/16"	07515	07515L
1/2"	6916H	—	1"	07516	07516L
3/8" SQUARE DRIVE			1 1/16"	07517	07517L
5/16"	7210H	7010H	1 1/8"	07518	07518L
11/32"	7211H	—	1 3/16"	07519	07519L
3/8"	7212H	7012H	1 1/4"	07520	07520L
7/16"	7214H	7014H	1 5/16"	07521	07521L
1/2"	7216H	7016H	1 3/8"	07522	07522L
9/16"	7218H	7018H	1 7/16"	07523	07523L
5/8"	7220H	7020H	1 1/2"	07524	07524L
11/16"	7222H	7022H	1" SQUARE DRIVE		
3/4"	7224H	7024H	3/4"	10012	—
1/2" SQUARE DRIVE			13/16"	10013	10013L
3/8"	7412H	7312H	7/8"	10014	10014L
7/16"	7414H	7314H	15/16"	10015	10015L
1/2"	7416H	7316H	1"	10016	10016L
9/16"	7418H	7318H	1 1/16"	10017	10017L
5/8"	7420H	7320H	1 1/8"	10018	10018L
11/16"	7422H	7322H	1 3/16"	10019	10019L
3/4"	7424H	7324H	1 1/4"	10020	10020L
13/16"	7426H	7326H	1 5/16"	10021	10021L
7/8"	7428H	7328H	1 3/8"	10022	10022L
15/16"	7430H	7330H	1 7/16"	10023	10023L
1"	7432H	7332H	1 1/2"	10024	10024L
1 1/16"	7434H	7334H	1 9/16"	10025	10025L
			1 5/8"	10026	10026L
			1 11/16"	10027	—
			1 3/4"	10028	10028L
			1 13/16"	10029	10029L
			1 7/8"	10030	10030L
			1 15/16"	10031	10031L
			2"	10032	10032L
			2 1/16"	10033	10033L
			2 1/8"	10034	10034L
			2 3/16"	10035	10035L
			2 1/4"	10036	10036L
			2 5/16"	10037	10037L
			2 3/8"	10038	10038L

Note: See pages 8 and 9 for screw driver bits and pages 29, 30 and 31 for Air Line accessories.

Air Impacttool Accessories, cont.

ANGLE ATTACHMENTS



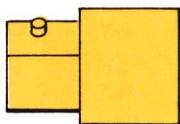
CATALOG NO.	FOR USE ON
401A9	701A1
4UA9	2705A1, 2706A1

UNIVERSAL JOINTS



CATALOG NO.	FEMALE SQUARE	MALE SQUARE
7270	3/8"	3/8"
7470	1/2"	1/2"
07570	3/4"	3/4"
10670	1"	1"

SOCKET ADAPTERS



CATALOG NO.	SQUARE DRIVE SIZE	
	FEMALE	MALE
2U-215	3/8"	1/2"
7654	1/2"	5/8"
7657	3/4"	5/8"
07655	3/4"	1"
07656	1"	3/4"

QUICK CHANGE CHUCKS



CATALOG NO.	SQ. DR. SIZE	HEX RECESS
2U-A925-4A	3/8"	1/4"
502-A925-7	3/8"	7/16"
4U-A925-7	1/2"	7/16"

SOCKET DRIVERS

FOR USE WITH QUICK CHANGE CHUCKS



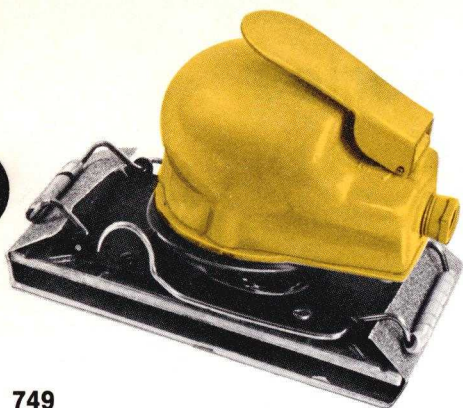
CATALOG NO.	HEX DRIVE	SQ. DRIVE	LENGTH
7102	1/4"	1/4"	2"
7104			6"
7107	1/4"	3/8"	6"
7111	7/16"	3/8"	2 3/4"
7121	7/16"	1/2"	2 3/4"
7124			8"

SQUARE DRIVER EXTENSIONS



CATALOG NO.	SQUARE DRIVE	LENGTH IN.
7175P	3/8"	3"
7176P	3/8"	6"
7180P	1/2"	2"
7181P	1/2"	5"
7184P	1/2"	9"
07567	3/4"	7"
07568	3/4"	10"
07569	3/4"	13"
10607	1"	7"
10608	1"	10"
10609	1"	13"

Air Sanders and Polishers



749
— Heavy Duty Orbital Sander
6½" x 3½" Sanding Pad



752S1
— Heavy Duty Disc Sander
7" dia. Flexible Rubber Pad



752P1
— Heavy Duty Polisher
7½" Wool Bonnet

- **Designed for Fine Metal Finishing** — buffing, polishing and sanding.
- **Quiet** — built-in shielded muffler.
- **Non-Slip** — radial grooved handle grips.
- **Exhaust Deflector** — directs exhaust air away from work area.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	FREE SPEED	SANDING PAD		SANDING SHEET SIZE		WEIGHT		HEIGHT		HOSE PIPE TAP	RECOMM. HOSE SIZE	
	rpm	in.	mm	in.	mm	lbs.	kg	in.	mm	in.	in.	mm
749	8000 Orb./Min.	6½ x 3½	165 x 89	9 x 3⅝	229 x 92	3⅝ ₁₆	1.5	4½	114	¼	⅝ ₁₆	8
752P1	1850	—	—	—	—	4⅞ ₁₆	2.0	6¼	159	⅜	⅜	10
752S1	5400	7	178	7	178	4⅞ ₁₆	2.0	6¼	159	⅜	⅜	10


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TUNE-UP KITS

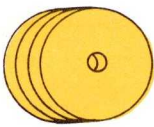
TOOL MODEL NO.	TUNE-UP KIT
749	749-TK1
752S1 752P1	752-TK1

Air Sander and Polisher Accessories


DISC SANDING PADS AND PAD NUT

	CATALOG NO.	TYPE	SIZE
	D94SK-228A	FLEXIBLE RUBBER	7"
	D94SK-226	PAD NUT	To Be Used With Above Pads
	D94SK-26	NUT WRENCH	

SANDING DISCS

	CATALOG NO.	SIZE	GRIT	PACKAGE
	D94SK-224-24	7" DIA.	24	25 Discs Per Package
	D94SK-224-36		36	
	D94SK-224-50		50	

LAMBS' WOOL POLISHING BONNET

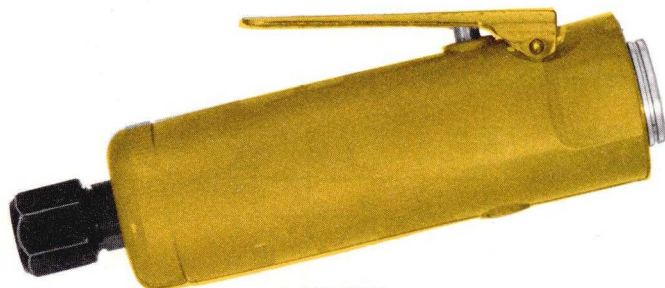
	CATALOG NO.	WEIGHT	SIZE
	P500-850	4 oz.	7½"

Note: See pages 29, 30 and 31 for Air Line accessories.



Ingersoll-Rand

Air Die Grinders



G140CF1
— Heavy Duty; 23,000 RPM



G120CF1
— Light Duty; 25,000 RPM



COLLET COVER

Order by Part No. G120D-21 for Model G120CF1 Grinder and Part No. G140D-21 for Model G140CF1 Grinder.

METAL FINISH GRINDERS:

- **Minimum Arbor Runout** — no chatter for fine finished surfaces.
- **Smooth Motor Operation** — powerful four vane air motor.
- **Rear Exhaust** — reduced noise level, optional piped-away exhaust available.
- **Collet Cover** — contoured to be held like a pencil.



G160EF1
— Extra Heavy Duty;
17,000 RPM;
Standard Arbor



G160HF1
— Extra Heavy Duty;
17,000 RPM;
3" Extended Arbor

LIGHT IN WEIGHT, EASY-TO-HANDLE GRINDERS:

- **Durable Motor** — five vane motor for smooth, powerful operation.
- **Minimum Arbor Runout** — no chatter for fine finished surfaces.
- **Side Exhaust** — adjustable deflector to direct exhaust away from work area.

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Air Die Grinders

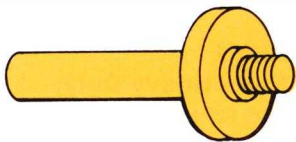
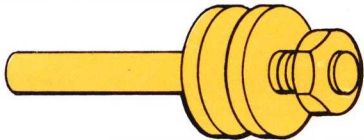
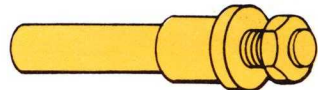
SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	FREE SPEED RPM	COLLET SIZE IN.	EQUIPMENT	WEIGHT LBS.	OVERALL LENGTH IN.	SIDE TO CENTER DISTANCE	HOSE PIPE TAP	RECOMM. HOSE SIZE
G120CF1	25,000	¼ "	Housing Cap	13 ³ / ₁₆	5¾ "	21 ¹ / ₃₂ "	⅛ "	¼ "
G140CF1	23,000		Housing Cap	17 ¹ / ₁₆	67 ¹ / ₁₆ "	13 ¹ / ₁₆ "	¼ "	⅜ "
G160EF1	17,000		Short Arbor	115 ¹ / ₁₆	89 ⁹ / ₁₆ "	25 ⁵ / ₃₂ "		
G160HF1			Long Arbor	25 ⁵ / ₈	115 ⁵ / ₈ "			

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
G120CF1	G120-TK1
G140CF1	G140-TK1
G160EF1	G160-TK1
G160HF1	

DIE GRINDER ACCESSORIES

CATALOG NO.	DESCRIPTION	
R001-395	Threaded Wheel Adapter (1/4" Shank)	
R001-295	1/4" Wheel Adapter (1/4" Shank)	
R00-292	1/8" Wheel Adapter (1/4" Shank)	
G120C-A184	Exhaust Hose Assembly (for G120CF1)	
G140C-A184	Exhaust Hose Assembly (for G140CF1)	

Note: See pages 29, 30 and 31 for Air Line accessories.

Air Horizontal Grinders

- **Excellent Power** — for continuous hard service.

- **Durable** — double bearing supported arbor.

- **Smooth Operation** — governor controlled motor assures full power.



746B24

— Heavy Duty Cone Wheel Grinder — 1/4" Collet



746B21

— Heavy Duty Grinder
— for up to 3" dia. x 1/2" wide radial wheels

748B2

— Heavy Duty Grinder
— for 6" dia. x 1" wide radial wheels



- **Overspeed Clutch** — automatically uncouples arbor from motor to help prevent grinding wheel overspeed.
- **Long Life** — permanently lubricated and sealed arbor bearings.
- **Powerful** — motor easily handles 6" diameter wheels.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	FREE SPEED RPM	ARBOR SIZE IN.	WEIGHT WITH GUARD	OVERALL LENGTH IN.	SIDE TO CENTER DISTANCE	HOSE PIPE TAP	RECOMM. HOSE SIZE
746B24	12,000	3/8 x 24 thd.	4 1/4	13 5/8"	1 3/16"	1/4"	3/8"
746B21			4 3/4				
748B2	6000	5/8 x 11 thd.	14 3/4	24 5/8"	2"	1/2"	3/4"

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TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
746B24	7359-TK
746B21	
748B2	7360-TK

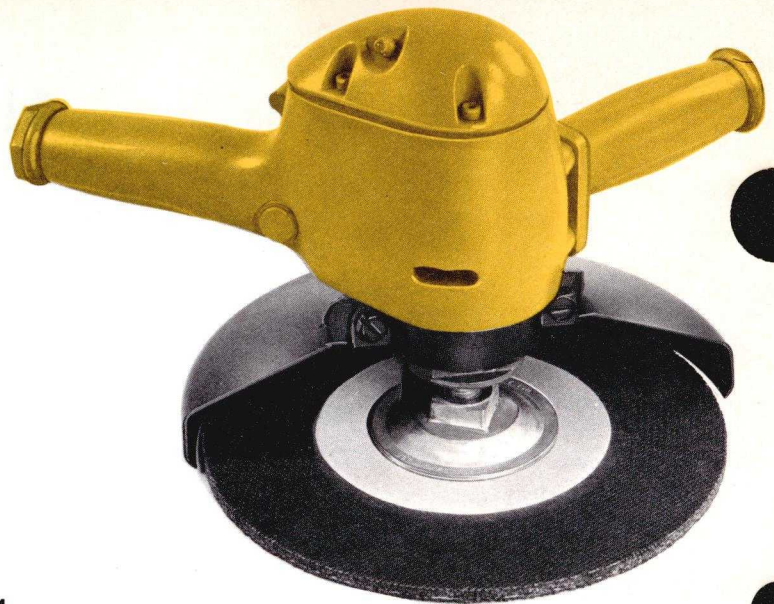
Note: See pages 29, 30 and 31 for Air Line accessories.

Air Surface Grinders



754C1
— 4,500 RPM Heavy Duty;
6" Cup Wheel Grinder

755C1
— 6000 RPM Heavy Duty;
6" Cup Wheel Grinder



754D1
— 4,500 RPM Heavy Duty; 9" Disc Wheel Grinder
755D1
— 6000 RPM Heavy Duty; 9" Disc Wheel Grinder

- **Operator Convenience** — dead handle can be positioned at 90° or 120° angles.
- **Self Closing Wing Throttle** — power cuts off when throttle released.
- **Wheel Guards** — 9" diameter stationary disc wheel guard or 6" diameter rotating cup wheel guard.
- **Versatile** — easily adapted to sanding or wire brushing.



757D1
— 4,500 RPM Extra Heavy Duty;
9" Disc Wheel Grinder

758D1
— 6000 RPM Extra Heavy Duty;
9" Disc Wheel Grinder



757C1
— 4,500 RPM Extra Heavy Duty;
6" Cup Wheel Grinder
758C1
— 6000 RPM Extra Heavy Duty;
6" Cup Wheel Grinder

All the same features — plus:

- **Extra Heavy Duty** — for continuous service.
- **Automatic Overspeed Device** — helps prevent grinding wheel overspeed.

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Air Surface Grinders

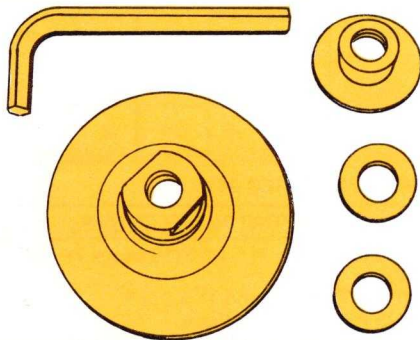
SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	FREE SPEED RPM	WEIGHT LESS WHEEL GUARD	WEIGHT WITH WHEEL GUARD	WHEEL GUARD	HEIGHT FROM ARBOR END	SIDE TO CENTER DISTANCE	HOSE PIPE TAP	RECOMM. HOSE SIZE
754C1	4,500	7 lbs.	9 lbs.	6" cup	7¼"	1⅞"	½"	½"
754D1				9" Disc				
755C1	6,000			6" cup				
755D1				9" Disc				
757C1	4,500	14 lbs.	15 lbs.	6" cup	8 ¹¹ / ₁₆ "	2¼"	½"	¾"
757D1				9" Disc				
758C1	6,000			6" cup				
758D1				9" Disc				

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
754C1	7361-TK
754D1	
755C1	
755D1	
757C1	7362-TK
757D1	
758C1	
758D1	

SURFACE GRINDER ACCESSORIES



DISC WHEEL ADAPTER KIT

CATALOG NO.	KIT
R3F-AS337	Steel
R3F-A337	Aluminum

Note: See pages 29, 30 and 31 for Air Line accessories.

Sand Rammers

- **Neoprene-felt "Sand-Wiper" seal**—keeps chrome-plated piston rod clean and prevents abrasive material from prematurely wearing and scoring the barrel.
- **Leather rings**—give positive air-tight piston rod seal for maximum power and performance.
- **Continuous front-end lubrication**—means less maintenance and long life.
- **Exclusive flapper valve**—freely passes dirt which may be in the air line. Particles can't lodge and build up on the valve seat to cause air leakage and loss of efficiency.
- **Built-in Muffler**—reduces noise level below OSHA requirements.



130A1M



140A1M



150A1



241A1M

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL		THROTTLE	BLOWS PER MINUTE	LENGTH WITH BUTT		BARREL BORE		PISTON STROKE		WEIGHT WITH BUTT		DESCRIPTION OF BUTT		
BENCH	FLOOR			in.	mm	in.	mm	in.	mm	lbs.	kg	MATERIAL	DIAMETER	
130A1M		Lever	900	17¼	438	1	25	2½	64	11½ ₁₆	5.3	Mall.	2½	64
140A1M		Lever	760	19¾	492	1½	29	4	102	13¾	6.2	Mall.	2½	64
	150A1	Lever	760	44½	1121	1½	29	4	102	15½	7.0	Mall.	2½	64
	241A1M	Lever	1420	52¾	1340	1½ ₁₆	33	4	102	26¾	12.2	Mall.	3	76

All Models equipped with Round Piston Rod.

Model 150A1 not equipped with Built-in Muffler.

Series 130A and 140A have ¼" inlet pipe tap; ¾" (10 mm) hose is recommended. Series 150A has a ¾" inlet pipe tap; ½" (13 mm) hose is recommended.

Series 241A has ¾" inlet pipe tap; ½" (13 mm) hose is recommended.

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
130A1M	130-TK1
140A1M	140-TK1
150A1	150-TK1
241A1M	241-TK1

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SAND RAMMER ACCESSORIES

RAMMER SERIES 130, 140, 150		RAMMER SERIES 241	
DESCRIPTION OF BUTT OR PEEN	PART NUMBER	DESCRIPTION OF BUTT OR PEEN	PART NUMBER
Malleable Peen ¾" x 2" (19 mm x 51 mm) Face	10SR-93	Malleable Peen ¾" x 3" (19 mm x 76 mm) Face	22SR-93-¾
Rubber Tipped Peen ¾" x 2¾"	14SR-93R	Rubber Tipped Peen 1" x 2¾"	24SR-93R
(19 mm x 60 mm) Face		(25 mm x 73 mm) Face	
Malleable Butt 2½" (64 mm) diameter	12SR-83	Malleable Butt 3" (76 mm) diameter	22SR-83-¾
Rubber Tipped Butt 2¾" (60 mm) diameter	14SR-83R-2¾	Aluminum Butt 5" (127 mm) diameter	241SR-L83-5
Rubber Topping-off Butt 32¾ ₃₂ " (99 mm) diameter	14SR-83R-4	Rubber Tipped Butt 3" (76 mm) diameter	24SR-83R
		Pole Tamping Butt (Aluminum)	24SR-283

Note that although Peens will fit on round piston rod Rammers, their use is recommended only on flat piston rod Rammers.



772A2
Beehive Retainer



772A1
Quick Change Retainer

Air Hammers and Air Riveters

Powerful tools for riveting, cutting, shearing, punching, driving and chiseling jobs.

- **Chisel Retainers**—OSHA safety requirement.
- **Controlled Power**—accurate and easily controlled throttle graduation.
- **Long Life**—foolproof disc-type valve and one-piece steel barrel.



AVC10A1



AVC12A1



AVC13A1



AVC26A1

Series AVC10, AVC12, AVC13, and AVC26 for riveting

- **Compact, lightweight, easy-handling**—tools for close-quarter work.
- **Safety coil spring retainer**—assures positive retention of rivet set.
- **Designed for light riveting**—applications in aircraft manufacture and maintenance, production of refrigeration and air conditioning equipment, small boats, trucks, buses, metal furniture, ranges, electrical and electronic equipment, toys.

Series AVC10, AVC12, AVC13, and AVC26 for nail driving

- **Simplified, speedy nail driving**—with little effort, even on angle for toe-nailing in confined spaces.
- **All Ingersoll-Rand Lightweight Riveters**—are easily and quickly converted to Nail Drivers by a simple change from rivet set to nail set.
- **Designed for higher productivity**—with less effort than manual driving and minimum operator fatigue.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	SAFETY CHISEL RETAINER	PISTON STROKE		BORE		BLOWS PER MINUTE	OVERALL LENGTH		WEIGHT		HOSE PIPE TAP	REC. HOSE SIZE		ACCESS. SHANK DIA.	CAPACITY RIVET DIA.	
		in.	mm	in.	mm		in.	mm	lbs.	kg		in.	in.		mm	in.
772A1	Quick Change	2¼	57	¾	19	3000	7¾	187	3⅝	1.6	¼	⅝ ₁₆	8	.4015	—	—
772A2	Beehive	2¼	57	¾	19	3000	7¾	187	3⅝	1.6	¼	⅝ ₁₆	8	.4015	—	—
AVC10A1	Beehive	1⅞	48	⅞ ₁₆	14	3200	6	152	2¾	1.3	¼	⅝ ₁₆	8	.4015	⅛	3
AVC12A1	Beehive	3	76	⅞ ₁₆	14	2100	7¾	197	3¼	1.5	¼	⅝ ₁₆	8	.4015	⅜ ₁₆	5
AVC13A1	Beehive	4	102	⅞ ₁₆	14	1725	8¾	222	3½	1.6	¼	⅝ ₁₆	8	.4015	¼	6
AVC26A1	Beehive	6	152	¾	19	1120	11¼	286	5⅞	2.3	¼	½	13	.498	⅜	10

Note: See page 24 for Air Hammer and Air Riveter accessories.






When so marked, Ingersoll-Rand Air Tools comply with all applicable OSHA requirements. The user is cautioned that provisions of the act require safety practices which relate to the worker's environment. These are not controllable by Ingersoll-Rand. OSHA sound level requirements also relate to the worker's overall environment which is not controllable by Ingersoll-Rand.

TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
772A1, A2	772-TK1
AVC10, 12, 13A1	AVC1-TK1
AVC26A1	AVC26-TK1

Air Hammer & Air Riveter Accessories

CHISELS, ETC.—For Series 772 Air Hammers

	CAT. NO.	DESCRIPTION		CAT. NO.	DESCRIPTION
	MC-66	Straight Chisel		MC121-89	D'ble Edged Ripper Chisel
	MC-67	Angle Cutting Chisel		MC121-90	Forming Tool
	MC-68	Wide Cutting Chisel		MC121-91-6	Piercing Punch for #6 Self Tapping Screws
	MC-69	Long Cutting Chisel		MC121-91-8	Piercing Punch for #8 Self Tapping Screws
	MC-70	Punch		MC121-91-10	Piercing Punch for #10 Self Tapping Screws
	MC-73	Weld Cutter	AVC10-183A —Quick Change Retainer. Required for all Accessories with "MC" prefix		
	MC121-87	Spot Weld Breaker			
	MC121-88	Edging Tool			

JACKSETS—For Series AVC10, AVC12, AVC13 Riveters with .4015" diameter shanks

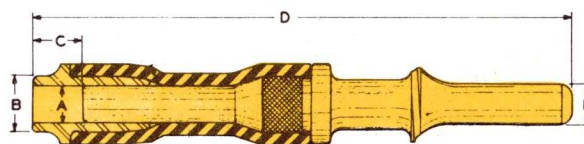
Size of Rivet in.	BUTTON HEAD Stamped "A"	ROUND HEAD Stamped "B"	BRAZIER HEAD Stamped "C"	MUSHROOM HEAD Stamped "F"	FLAT HEAD Stamped "G"	UNIVERSAL HEAD Stamped "H"
1/16 3/32 1/8 5/32	AV1-22A-3 AV1-22A-4	AV1-22B-2 AV1-22B-4	AV1-22C-4 AV1-22C-5			AV1-22H-3 AV1-22H-5
3/16 1/4 5/16	AV1-22A-6 AV1-22A-8 AV1-22A-10	AV1-22B-6 AV1-22B-8 AV1-22B-10	AV1-22C-6 AV1-22C-8 AV1-22C-10	AV1-22F-8	AV1-22G-6 AV1-22G-8 AV1-22G-10	AV1-22H-6 AV1-22H-8

JACKSETS—For Series AVC26 Riveters with .498" diameter shanks

Size of Rivet in.	BUTTON HEAD Stamped "A"	ROUND HEAD Stamped "B"	BRAZIER HEAD Stamped "C"	MUSHROOM HEAD Stamped "F"	FLAT HEAD Stamped "G"	UNIVERSAL HEAD Stamped "H"
3/16			AV24-222C-6			AV24-222H-6
1/4 5/16 3/8	AV24-222A-8 AV24-222A-10 AV24-222A-12	AV24-222B-8 AV24-222B-10	AV24-222C-8 AV24-222C-12	AV24-222F-10	AV24-222G-8 AV24-222G-10	AV24-222H-10

CENTERING SLEEVE NAIL SETS

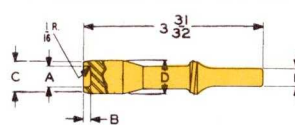
Part Number	A in.	B in.	C in.	D in.	E in.
AVC12-A530-12	3/8	9/16	1/2	5 1/2	.401
AVC12-A530-14	1/2	1 1/16	1/2	5 1/2	.401
AVC12-A530-16	5/8	7/8	3/4	5 3/4	.401
AVC26-A530-12	3/8	9/16	1/2	6 1/8	.498
AVC26-A530-14	1/2	1 1/16	1/2	6 1/8	.498
AVC26-A530-16	5/8	7/8	3/4	6 1/2	.498



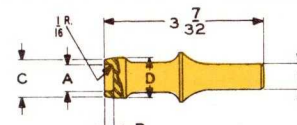
Centering Sleeve Nail Set Assembly with Rubber Retainer

CUPPED NAIL SETS

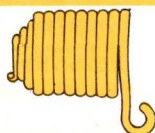
Part Number	A in.	B in.	C in.	D in.	E in.
AVC10-430-16	1/2	5/32	21/32	3/4	.401
AVC26-430-18	9/16	3/16	3/4	13/16	.498
AVC26-430-20	5/8	7/32	7/8	1 3/16	.498



Cupped Nail Set for Size AVC26

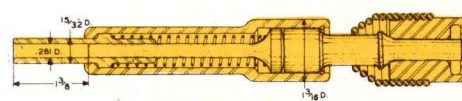


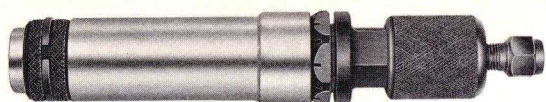
Cupped Nail Set for Sizes AVC10, AVC12 and AVC13



AVC1-83
Beehive Retainer. Cannot be used with Accessories with "MC" prefix

AV10-A330-8
Nail Set Assembly with Spring Loaded Centering Sleeve for Sizes AVC10, AVC12 and AVC13





172P



182L



172L



182P

Ingersoll-Rand Air Scalers

- **Compact, high speed, light hitting tools for a variety of chipping, scaling and calking applications**—scaling off rust, light scale or old paint; removing weld flux or spatter; removing excess metal when welding; light peening; removing sand from inside surfaces of large castings.
- **Quick change positive lock retainer**—assures positive retention of chisel, yet permits easy changing of accessories—an important safety feature.
- **Easily attached needle scaler**—converts these tools to a needle scaler.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	THROTTLE	WEIGHT LESS CHISEL		OVERALL LENGTH		STROKE		BORE		HOSE CONNECTION PIPE TAP	RECOMM. HOSE SIZE		TUNE-UP KITS
		lbs.	kg	in.	mm	in.	mm	in.	mm		in.	mm	
172L	Lever	3 $\frac{1}{16}$	1.7	7 $\frac{5}{8}$	194	$\frac{9}{16}$	14	1 $\frac{5}{16}$	24	$\frac{1}{4}$	$\frac{5}{16}$	8	172-TK1
172P	Push	3 $\frac{3}{16}$	1.7	8 $\frac{3}{4}$	222	$\frac{9}{16}$	14	1 $\frac{5}{16}$	24	$\frac{1}{4}$	$\frac{5}{16}$	8	172-TK1
182L	Lever	4 $\frac{1}{16}$	1.8	9	229	1 $\frac{1}{16}$	27	1 $\frac{5}{16}$	24	$\frac{1}{4}$	$\frac{5}{16}$	8	172-TK1
182P	Push	4 $\frac{3}{16}$	1.9	10 $\frac{1}{8}$	257	1 $\frac{1}{16}$	27	1 $\frac{5}{16}$	24	$\frac{1}{4}$	$\frac{5}{16}$	8	172-TK1



172LNA1



182LNA1

Ingersoll-Rand Needle Scalers

- **A cluster of nineteen long, tough needles**—striking hundreds of times a minute performs many applications previously requiring wire brushing, shot or sand blasting. Removes rust, paint, scale, flux and weld spatter on irregular surfaces, corners, depressions and other hard-to-reach areas. Also useful for roughing masonry and brick.
- **Available in two series**—for a wide range of jobs.
- **Adjustable housing**—can be used in three positions; choose either standard circular opening or optional rectangular opening.
- **Improved power transmission**—for smooth vibration-free operation.
- **Easily converted**—to a weld flux scaler.

182K Kit—contains:

Size 182L Scaler
Complete NS11A Needle
Attachment with round housing
NS11-124 rectangular housing
One set of extra Needles
One WF-14A-16 Angle Chisel
One WF-14B-6 Straight Chisel
One WF-14F-7 Flat Chisel
One WF-14G-6 Gouge Chisel
One WF-114- $\frac{3}{8}$ Star Drill
One WF-114- $\frac{1}{2}$ Star Drill
One WF-114- $\frac{3}{4}$ Star Drill
Steel Carrying Case



SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

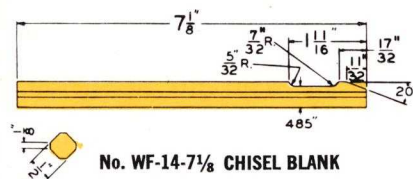
MODEL	THROTTLE	WEIGHT		LENGTH		BORE		STROKE		TUNE-UP KITS
		lbs.	kg	in.	mm	in.	mm	in.	mm	
172LNA1	Lever	5 $\frac{1}{4}$	2.4	13 $\frac{3}{4}$	349	1 $\frac{5}{16}$	24	$\frac{9}{16}$	14	172-TK1
182LNA1	Lever	5 $\frac{3}{4}$	2.6	15	381	1 $\frac{5}{16}$	24	1 $\frac{1}{16}$	27	172-TK1

Note: Needle Scaler equipped with round needle housing, steel needles.

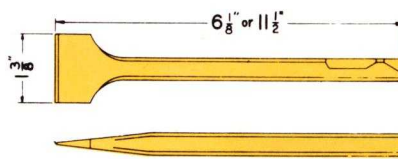
When so marked, Ingersoll-Rand Air Tools comply with all applicable OSHA requirements. The user is cautioned that provisions of the act require safety practices which relate to the worker's environment. These are not controllable by Ingersoll-Rand. OSHA sound level requirements also relate to the worker's overall environment which is not controllable by Ingersoll-Rand.

Air Scaler Accessories

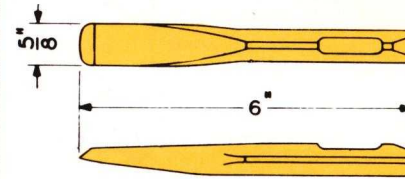
CHISELS



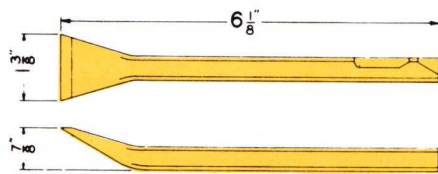
No. WF-14-7 $\frac{1}{8}$ CHISEL BLANK



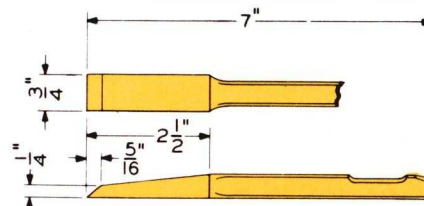
No. WF-14B-6 $\frac{1}{8}$ or No. WF-14B-11 $\frac{1}{2}$
STRAIGHT SCALING CHISEL



No. WF-14G-6 GOUGE CHISEL



No. WF-14A-6 $\frac{1}{8}$ ANGLE SCALING CHISEL



No. WF-14F-7 FLAT SCALING CHISEL

STAR DRILLS



CATALOG NO.	DIAMETER		LENGTH	
	in.	mm	in.	mm
WF-114-3/8	3/8	10	6 1/2	165
WF-114-1/2	1/2	13	6 1/2	165
WF-114-5/8	5/8	16	9	229
WF-114-3/4	3/4	19	9	229
WF-114-7/8	7/8	22	9	229
WF-114-1	1	25	12	305
WF-114-1 1/8	1 1/8	29	12	305

REPLACEMENT NEEDLES



CATALOG NO.	TYPE	PACKAGE
NS11-22	Alloy Steel	19 Required for Complete Set
NS11-B22	Bery. Copper	
NS11-S22	Stainless	

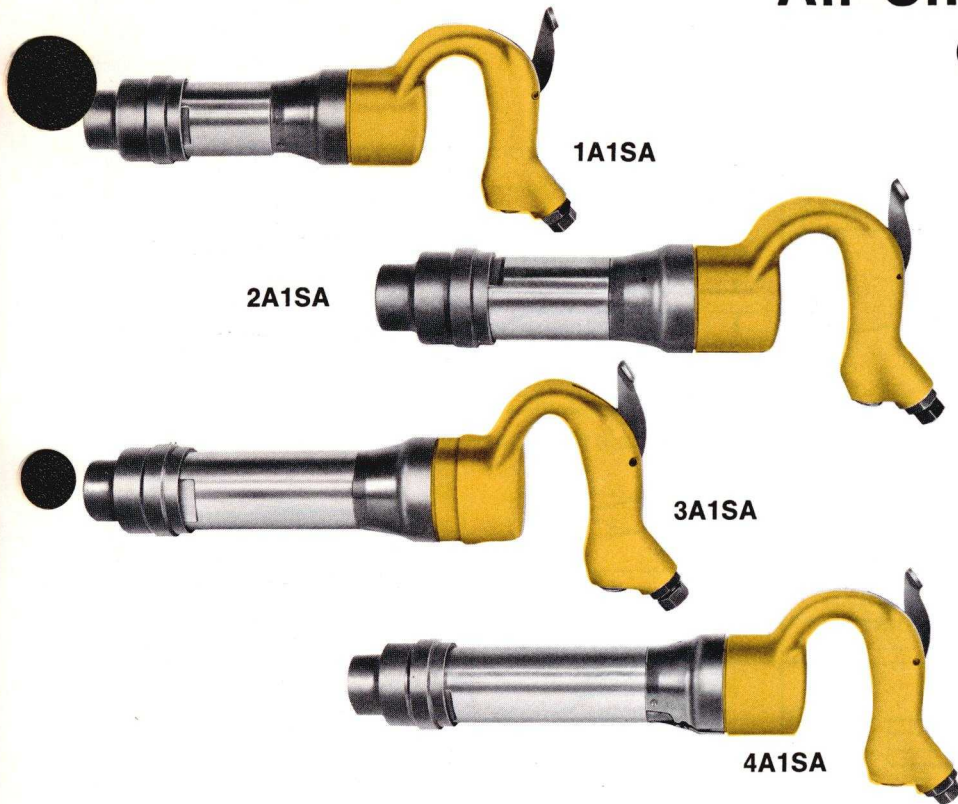
NEEDLE SCALER ATTACHMENT

ATTACHMENT NUMBER	DESCRIPTION	
NS11A	Steel Needles	Round Needle Housing
NS11AB	Beryllium Copper Needles	
NS11AS	Stainless Steel Needles	
NS11A7	7" (178 mm) Extended Steel Needles	
NS11B	Steel Needles	Rectangular Needle Housing
NS11B3	Beryllium Copper Needles	
NS11B5	Stainless Steel Needles	
NS11B7	7" (178 mm) Extended Steel Needles	

Air Chipping Hammers

CONTROLLED POWER

HEAVY DUTY



Series 1, 2, 2A, 3, and 4

- **Lightweight and Streamlined** — for chipping, scaling, beading, cleaning castings, dies, billets and similar operations.
- **Reliable**—all critical parts are surfaced with Iramet, a wear-resistant product developed by Ingersoll-Rand.
- **Controlled power**—instant starting and smooth, graduated cutting power.

SPECIFICATIONS—Performance figures at 90 psi (620 kPa) Air Pressure

MODEL	PISTON STROKE		BORE		BLOWS PER MIN.	OVERALL LENGTH		WEIGHT		HOSE PIPE TAP	RECOMM. HOSE SIZE		NOZZLE
	in.	mm	in.	mm		in.	mm	lbs.	kg		in.	in.	
1A1SA	1	25	1⅞	29	2500	15½	394	14¾	6.7	¼	½	13	Hex.
1A2SA	1	25	1⅞	29	2500	15½	394	14¾	6.7				Round
2A1SA	2	51	1⅞	29	2300	16	406	15⅞	6.9				Hex.
2A2SA	2	51	1⅞	29	2300	16	406	15⅞	6.9				Round
2AA1SA	2½	64	1⅞	29	1950	17	432	16	7.3				Hex.
2AA2SA	2½	64	1⅞	29	1950	17	432	16	7.3				Round
3A1SA	3	76	1⅞	29	1725	17⅞	454	16⅝	7.5				Hex.
3A2SA	3	76	1⅞	29	1725	17⅞	454	16⅝	7.5				Round
4A1SA	4	102	1⅞	29	1480	18⅞	479	17½	7.9				Hex.
4A2SA	4	102	1⅞	29	1480	18⅞	479	17½	7.9				Round

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HHW1-A674 Muffler available for all I-R Chipping Hammers

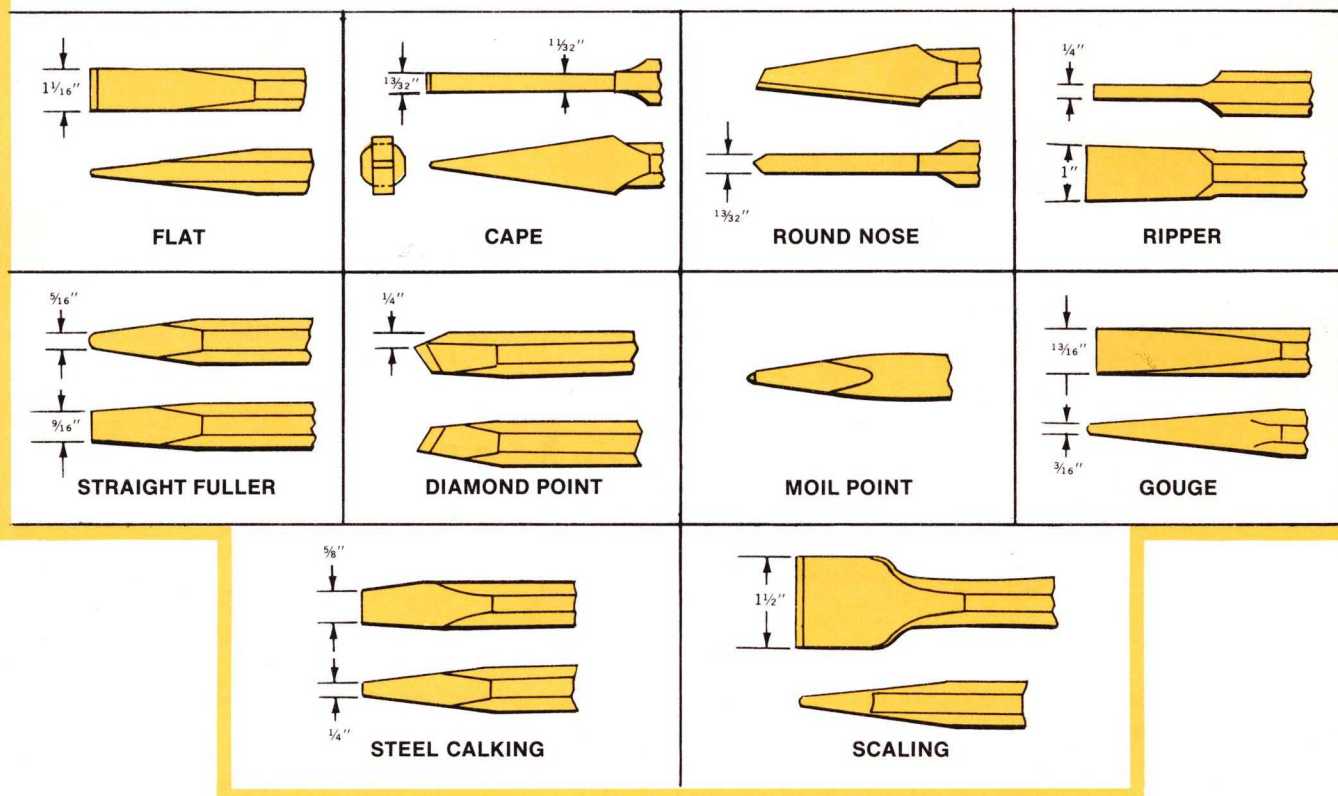
TUNE-UP KITS

TOOL MODEL NO.	TUNE-UP KIT
All Models with Hex. Nozzle	2AA1-TK1
All Models with Round Nozzle	2AA2-TK1

Air Chipping Hammer Accessories

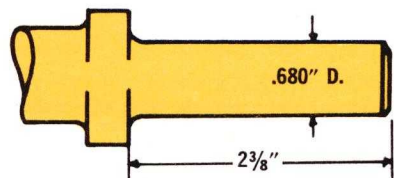
For Series 1, 2, 2A, 3, and 4

CHISEL DIMENSIONS

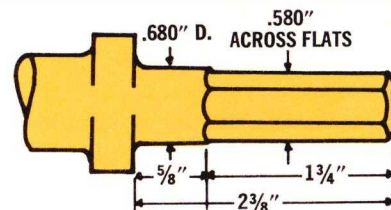


ROUND SHANK CHISELS (for use with Chippers equipped with Round Nozzle)

Length		Chisel Part Number										
		Blank	Flat	Moil Point	Scaling	Diamond Point	Cape	Gouge	Round Nose	Straight Fuller	Calking	Ripper
12	305	HH1-215-12	HH1-215F-12	HH1-215M-12	HH1-215B-12	HH1-215D-12	HH1-215C-12	HH1-215G-12	HH1-215N-12	HH1-215J-12	HH1-215E-12	HH1-215R-12
18	457	HH1-215-18	HH1-215F-18	HH1-215M-18								
24	610	HH1-215-24	HH1-215F-24	HH1-215M-24								
36	914	HH1-215-36	HH1-215F-36	HH1-215M-36								



Note: All Chisels equipped with Oval Collars.



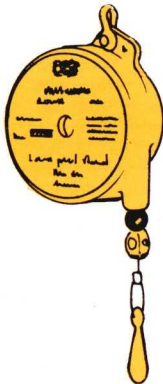
HEXAGON SHANK CHISELS (for use with Chippers equipped with Hex Nozzle)

Length		Chisel Part Number										
		Blank	Flat	Moil Point	Scaling	Diamond Point	Cape	Gouge	Round Nose	Straight Fuller	Calking	Ripper
12	305	HH1-214-12	HH1-214F-12	HH1-214M-12	HH1-214B-12	HH1-214D-12	HH1-214C-12	HH1-214G-12	HH1-214N-12	HH1-214J-12	HH1-214E-12	HH1-214R-12
18	457	HH1-214-18	HH1-214F-18	HH1-214M-18								
24	610	HH1-214-24	HH1-214F-24	HH1-214M-24								
36	914	HH1-214-36	HH1-214F-36	HH1-214M-36								

Air Line Accessories

SUSPENSION BALANCERS

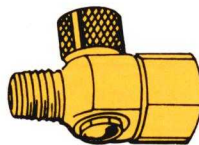
— Heavy Duty, Multiple Position Cable Stop and Safety Declutching Mainspring.



CATALOG NO.	CAPACITY LBS.		CABLE TRAVEL FT.	BALANCER WEIGHT LBS.
	MIN.	MAX.		
MB-5	0	5	10'	$\frac{5}{8}$
MB-10	0	10	10'	$1\frac{3}{8}$
TBF-15	10	15	8'	8
TBE-20	10	20	$5\frac{1}{2}'$	15
TBE-30	20	30	$5\frac{1}{2}'$	16

INDEPENDENT POWER REGULATOR

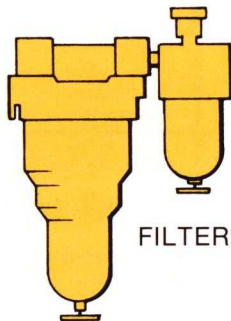
— For $\frac{1}{4}$ " air inlet tools not equipped with built-in power regulators.



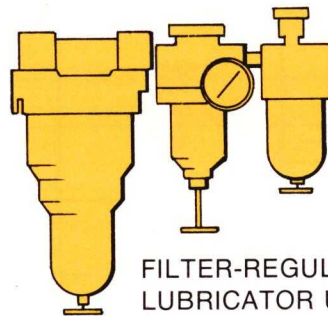
CATALOG NO.	PIPE TAP
AVII-A915	$\frac{1}{4}"$

AIR FILTER — LUBRICATOR — REGULATOR UNITS

— Extend the life of your Ingersoll-Rand Air Tools with the installation of these accessories in each air line.



FILTER-LUBRICATOR UNIT



FILTER-REGULATOR—
LUBRICATOR UNIT

FILTER-LUBRICATOR UNIT CATALOG NO.	FILTER-REGULATOR LUBRICATOR UNIT CATALOG NO.	PIPE TAP SIZE	LUBRICATOR CAPACITY
NFLU-8	NFLRU-8	$\frac{1}{2}"$	$\frac{1}{2}$ pint
NFLU-12	NFLRU-12	$\frac{3}{4}"$	

Air Line Accessories, cont.

HOSE WHIPS — Complete with Fittings.



CATALOG NO.	HOSE		HOSE NIPPLES	
	DIA.	LENGTH	TOOL END MALE PIPE THREAD	FREE END FEMALE PIPE THREAD
G120C-130	1/4"	8'	1/8" & 3/8"	—
RO-130	5/16"		1/4"	3/8"
G140-130	3/8"		1/4" & 3/8"	—
510-130	3/8"		3/8"	3/8"

LONG HOSE

— Complete with Fittings	CATALOG NO.	HOSE		HOSE NIPPLES
		DIAMETER	LENGTH	
	403-130-25	3/8"	25'	3/8" MALE BOTH ENDS
	403-130-50		50'	
	434-130-25	1/2"	25'	3/8" MALE ONE END, 1/2" MALE OPP. END
	434-130-50		50'	

AIR HOSE NIPPLES — Male



CATALOG NO.	HOSE SIZE IN.	MALE PIPE THREAD IN.
ROOA-46	1/4"	1/8"
ROAI-46		1/4"
AVI-46	5/16"	1/4"
AL-387		3/8"
AVI-146	3/8"	1/4"
DOI-14		3/8"
AOI-46	1/2"	3/8"
DO2-455		1/2"
AO3-46	3/4"	1/2"
J3-581		3/4"

AIR HOSE NIPPLES — Female



CATALOG NO.	HOSE SIZE IN.	FEMALE PIPE THREAD IN.
ROOA-47	1/4"	1/4"
RI-47	5/16"	3/8"
ROO-147	3/8"	3/8"

Air Line Accessories, cont.

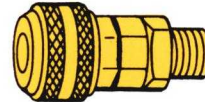
QUICK CHANGE AIR HOSE COUPLINGS

QUICK CHANGE COUPLING PLUGS MALE



CATALOG NO.	HOSE SIZE	MALE PIPE THREAD SIZE
10	1/4"	1/4"
14		3/8"
52	1/2"	3/8"
54		1/2"

QUICK CHANGE COUPLING SOCKETS MALE



CATALOG NO.	HOSE SIZE	MALE PIPE THREAD SIZE
3100	1/4"	1/4"
3300		3/8"
5100	1/2"	3/8"
5300		1/2"

QUICK CHANGE COUPLING SOCKET FEMALE



CATALOG NO.	HOSE SIZE	FEMALE PIPE THREAD SIZE
3000	1/4"	1/4"
3200		3/8"
5000	1/2"	3/8"
5200		1/2"

AIR TOOL LUBRICANTS

CATALOG NO.	ITEM	QUANTITY
10-1 PT.	Air Tool Oil	1 pint
10-1 GAL.		1 gallon
50-1 PT.	Air Tool Oil	1 pint
50-1 GAL.		1 gallon
28-1 LB.	Air Tool Grease	1 lb.
28-5 LB.		5 lb.



NEEDLE AIR PRESSURE GAUGE

Checks both static and dynamic air pressure right at tool or other plant locations; complete with carrying case.

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LUBE KIT

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